

Next 1 Page(s) In Document Exempt

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HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS - 2083/65
IB - 69/65
3 March 1965
Copy # 1

MEMORANDUM FOR: Chief, Estimates Staff, ONE

ATTENTION : [REDACTED] 25X1A

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGC

FROM : Chief, Photographic Intelligence Division, CIA

SUBJECT : Chicom Arsenal Study - Nien-tzu-shan, Luhsien, Ch'en Yuan
Machinery Plant (Nanking) and Liao-
yang, China

REFERENCES : (1) ONE Requirement No. C-DI5-82,307
(2) CIA/PID Project No. 30354-5

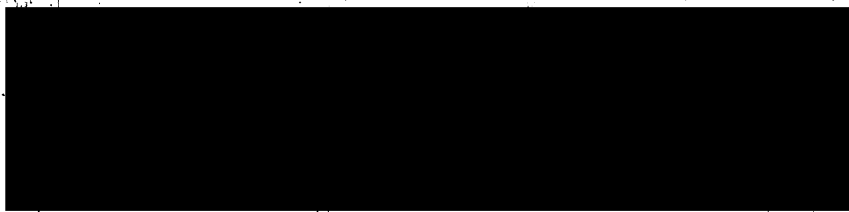
1. This memorandum is forwarded in answer to the above mentioned require-
ment which requested a comparative study, to include the level of production
and status of construction that has taken place since the previous study of the
arsenals located at Nien-tzu-shan, Luhsien (Lu-chou), Nan-King, and Liao-yang,
China.

2. Following is the information requested for each of the arsenals:

- a. Plant Name: Nien-tzu-shan Plant No. 123
Location: Nien-tzu-shan, China
Coordinates: 47 31N - 122 54E

Photo References:

25X1D



Level of Production Activity:

25X1D

No apparent change since [REDACTED] However, the small scale
of the latest photography available precludes an accurate determina-
tion of the activity.

GROUP 1
Excluded from automatic
downgrading and
declassification

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TCS - 2083/65
Page 2

Level of Construction Activity:

There has been no apparent change in facilities at either the production and storage areas or at the nearby testing and experimentation site since photographic coverage used in the earlier study (IB - 315/63).

25X1D

Comment: Plant area was approximately 50% cloud-covered on KEYHOLE [REDACTED]

- b. Plant Name: Lu-chou Plant No. 255
Location: Lu-chou, China
Coordinates: 28 53N - 105 23E

Photo References:

No new photography since [REDACTED]

25X1C

Level of Production Activity:

Lack of recent photographic coverage prevents any analysis of this plant.

- c. Plant Name: Nan-ching Plant No. 307 (Probably Ch'en Yuan Machinery Plant)
Location: Nan-ching, China
Coordinates: 32 00N - 118 47E

Photo References:

Mission	Date	Pass	Camera	Frame	Class.
[REDACTED]					

25X1D

Level of Production Activity:

25X1C

No apparent change from that observed on [REDACTED] (IB - 326/63). However, the small scale of the latest photography again precludes an accurate determination.

25X1C

Level of Construction Activity:

25X1D

- a. Expansion at the main arsenal since [REDACTED] was limited to the construction of three small storage buildings and an addition to the large warehouse located approximately 800 feet southwest of

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CONTROL SYSTEM ONLY

TCS - 2083/65
Page 3

of the main forge-foundry building.

b. New construction at the branch arsenal consisted of two small storage buildings.

d. Plant Name: Liao-yang Plant No. 375
Location: Liao-yang, China
Coordinates: 41 17N - 123 17E

Photo References:

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frame</u>	<u>Class.</u>
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25X1D

Attachments: One Annotated Photo Enlargement w/Overlay
(CIA/PID/IB-P-157/65).
One Photo Enlargement
(CIA/PID/IB-P-159/65).

Level of Production Activity:

Production is apparently occurring throughout all the processing and manufacturing areas. The production, processing, manufacturing, and testing area appears quite active, with smoke coming from most stacks. An engine and several rail cars were observed on a rail siding. The north explosives and munitions area does not appear quite so active, but the heat and power plant is operating and some of the plant roads appear to have been cleared of snow. The trails in the small south processing area have been partially cleared, but no other signs of activity could be observed.

Level of Construction Activity:

No apparent change could be noted in the two storage sites, the north explosives and munitions processing and storage area or the south processing area since [REDACTED]. Minor changes in the production, processing, manufacturing and testing area are shown in red on the overlay to Figure 1 of this memorandum. These include four buildings in the shell testing area and two other buildings in the main production area. Although no significant changes were observed in this complex, photo enlargements of the production, processing, manufacturing and test area and the north explosives and munitions processing area are included for this plant because of the excellent quality of the coverage of [REDACTED].

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TCS - 2083/65
Page 4.

25X1A

3. The photo analyst assigned to this project was [REDACTED]
who may be contacted on extension 2546 should any questions arise concerning
this memorandum. This memorandum completes this project.

25X1A



Enclosures:

- 1 Photo Enlargement w/Overlaid
CIA/PID/IB-P-157/65
- 1 Photo Enlargement
CIA/PID/IB-P-159/65

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SECRET

TCS No. 2083/65
TR No. 69/65

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LIAO-YANG PLANT NO. 375
Lia-yang, China
41 17 N - 121 17 E

SEA PIR/21-

25X1D